BMI Calculator Design

BMI_MVC

model: BMI_Model

view: BMI_View

controller: BMI_Controller

main

Private Classes for Controller

BMI_Controller

model: BMI_Model

view: BMI_View

CalcListener

actionPerformed()

ResetListener

actionPerformed()

BMI_Model

height: double

weight: double

bmiCalc: double

view: BMI_View

setObserver(view):void

calcUS():void

calcMetric():void

reset():void

getBMI(): double

BMI_View

units: UnitsPanel

input: InputPanel

results: ResultsPanel

greeting: GreetingPanel

buttonPanel: JPanel

calcButton: JButton

resetButton: JButton

notifyView()

getUnits():boolean

getHeight():double

getWeight():double

displayBMI()

addCalcListener()

addResetListener()

Private Classes for View

UnitsPanel

usStandard: JRadioButton

metric:JRadioButton

buttonGroup:ButtonGroup

checkUnits():boolean

InputPanel

height: JTextField

weight: JTextField

getHeight(): double

getWeight(): double

ResultsPanel

bmiResult: JTextField

setBMI()

GreetingPanel

greeting: JLabel